

15611 U.S. PTO  
09/347637  
07/20

345  
Class  
SUBCLASS  
ISSUE CLASSIFICATION

PATENT NUMBER  
**6552722**

6552722

# U.S. UTILITY PATENT APPLICATION

O.I.P.E. *SA* PATENT DATE *APR 22 2003*

SCANNED *1/10/03*

SECTOR CLASS *345* SUBCLASS *419* ART UNIT *2672* EXAMINER *SAINTINO*

APPLICATION NO. 09/347637 CONT/PRIOR YES CLASS 345 SUBCLASS *424* ART UNIT *2672* EXAMINER *SAINTINO*

APPLICANTS  
LOREN SHIH  
WALTER AVILES  
THOMAS MASSIE  
TOD SHANNON

*Nov 25 2003* *AUG 12 2003*

TITLE SYSTEMS AND METHODS FOR SCULPTING VIRTUAL OBJECTS IN A HAPTIC VIRTUAL REALITY ENVIRONMENT

## ISSUING CLASSIFICATION

ORIGINAL		CROSS REFERENCE(S)			
CLASS	SUBCLASS	CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)		
<i>345</i>	<i>419</i>	<i>345</i>	<i>424</i>		
INTERNATIONAL CLASSIFICATION					
<i>G06G</i>	<i>15/00</i>				

*3-4-03* *Formal Drawings (35 sheets) set 1* *7-6-99*

<p><input type="checkbox"/> TERMINAL DISCLAIMER</p> <p><input type="checkbox"/> a) The term of this patent subsequent to <i>10/30/02</i> (date) has been disclaimed.</p> <p><input type="checkbox"/> b) The term of this patent shall not extend beyond the expiration date of U.S. Patent No. <i>6,116,680</i></p> <p><input type="checkbox"/> c) The terminal <i>18</i> months of this patent have been disclaimed.</p>	<p><b>DRAWINGS</b></p> <p>Sheets Drwg. <i>35</i> Figs. Drwg. <i>419</i> Print Fig. <i>18</i></p> <p><i>Enrique L. Santiago</i> <i>10/30/02</i> (Assistant Examiner) (Date)</p> <p><i>Mark Zimmerman</i> MARK ZIMMERMAN SUPERVISORY PATENT EXAMINER TECHNOLOGY CENTER 2600 (Primary Examiner) (Date)</p> <p><i>Monica</i> <i>11/6/02</i> (Legal Instruments Examiner) (Date)</p>	<p><b>CLAIMS ALLOWED</b></p> <p>Total Claims <i>34</i> Print Claim for O.G. <i>1</i></p> <p><b>NOTICE OF ALLOWANCE MAILED</b></p> <p><i>11-5-03</i></p> <p><b>ISSUE FEE</b></p> <p>Amount Due <i>\$640</i> Date Paid <i>11-31-03</i></p> <p><b>ISSUE BATCH NUMBER</b></p>
---	---	---

**WARNING:**  
The information disclosed herein may be restricted. Unauthorized disclosure may be prohibited by the United States Code Title 35, Sections 122, 181 and 368. Possession outside the U.S. Patent & Trademark Office is restricted to authorized employees and contractors only.

Formal Drawings (*35* sheets) set (LABEL AREA)

ISSUE FEE IN FILE

(FACE)